

INDEX BY AUTHORS

- Acton, Ellen
Winter Geometry. XXXII, March 1939, 128
- Ahern, Lorella
Art in Geometry. XXXII, April 1939, 156-162
- Andrews, F. Emerson
Decimal-Form Fractions to Various Bases. XXXII, December 1939, 354-355
- Ayre, H. G.
Our Mathematical Universe. XXXII, December 1939, 356-359
- Beatty, Willard W.
The Role of Mathematics in the Twentieth Century Curriculum. XXXII, May 1939, 216-219
- Benz, H. E.
Some Preliminary Considerations Relating to Arithmetic in the Senior High School. XXXII, March 1939, 111-117
- Blackhurst, J. H.
The Educational Value of Logical Geometry. XXXII, April 1939, 163-165
- Blank, Laura
A Device for Teaching the Concept of the Trigonometric Functions. XXXII, February 1939, 88-89
- Bledsoe, James M.
Popularizing the Subject of Astronomy. XXXII, November 1939, 316-320
- Boselly, Shirley E., Jr. and Holbrook, Harriet
Criteria for the Evaluation of a Course of Study in High School Mathematics. XXXII, February 1939, 78-81
- Boyer, Lee Emerson
Elementary Approximate Computation. XXXII, October 1939, 249-258
- Bradley, A. Day. See Kinsella, John
- Braverman, Benjamin
Does a Year's Exposure to Algebra Improve a Pupil's Ability in Arithmetic? XXXII, November 1939, 301-312
- Brill, Elmer
It Is Given Us to Dream. XXXII, April 1939, 162
- Britton, Sarah Louise
Paper Folding in Plane Geometry. XXXII, May 1939, 227-228
- Clark, Mildred I.
The Effect of Remedial Work in Reading Comprehension upon Algebraic Achievement. XXXII, February 1939, 65-67
- Cordrey, William A.
Ancient Mathematics and the Development of Primitive Culture. XXXII, February 1939, 51-60
- Craver, Mary E.
The Mathematical Foundations of Architecture. XXXII, April 1939, 147-155
- Culver, Carol
The Adventures of Little An Alysia. XXXII, December 1939, 367
- Davis, Ira C.
The Mathematics of Most Value to Pupils of Science. XXXII, November 1939, 291-295
- De Vries, David
To the Entinity of Mathematical Laws. XXXII, April 1939, 168
- Douglass, Harl R. See Filk, Anna
- Drake, Richard M.
Vocabulary Instruction in Mathematics. XXXII, April 1939, 166-168
- Dresden, Arnold
Mathematics and the Social Sciences. XXXII, December 1939, 339-342
- Duncan, Myrtle
Meaningful Symbols as a Better Preparation for Junior and Senior High School Mathematics. XXXII, April 1939, 169-171
- Eisner, Harry
The Challenge of the Slow Pupil. XXXII, January 1939, 9-15
- Ekholm, Alma
General Mathematics for Art Pupils. XXXII, December 1939, 365-367
- Filk, Anna and Douglass, Harl R.
Classroom Practices of High School Teachers of Mathematics. XXXII, May 1939, 223-226
- Flanders, Isadore Elizabeth
A Study in Euclid. XXXII, November 1939, 323
- Foran, T. G. and Weber, Sister Magdalen Marie
An Experimental Study of the Relation of Homework to Achievement in Arithmetic. XXXII, May 1939, 212-214
- Fulkerson, Elbert
Teaching the Law of Signs in Multiplication. XXXII, January 1939, 27-29
- Gianera, William C.
The Place of Mathematics in Secondary Schools. XXXII, December 1939, 360-364
- Hanley, Gertrude L. See Wilson, Guy M.
- Hartung, Maurice L.
Mathematics in Progressive Education. XXXII, October 1939, 265-269
- Heckert, W. W.
Mathematics in Industrial Chemical Research. XXXII, March 1939, 110
- Hickey, May
The Efficiency of Certain Shapes in Nature and Technology. XXXII, March 1939, 129-133
- Holbrook, Harriet. See Boselly, Shirley E., Jr.
- Holroyd, Phyllis A.
The Christmas Party. XXXII, December 1939, 352-353
- Karelitz, George B.
Mathematics in Mechanical Engineering. XXXII, February 1939, 87
- Kinsella, John and Bradley, A. Day
Air Navigation and Secondary School Mathematics. XXXII, February 1939, 82-86
- Lazar, Nathan
In Other Periodicals. XXXII, January 1939, 35-36; February 1939, 90-92; March 1939, 137-138; April 1939, 186-187; May 1939, 231-233; October 1939, 277-279; November 1939, 329-330; December 1939, 371-372
- Lloyd, Daniel B.
The Teaching of "Flexible" Geometry. XXXII, November 1939, 321-323
- Lynch, J. A.
Mathematics in Herbart's Philosophy of Education. XXXII, February 1939, 61-64
The Relation of Mathematics to the Learning Process. XXXII, November 1939, 313-315
- McLeod, D.
From Table to Graph to Formula. XXXII, December 1939, 343-345
- Mahachek, Joy
Objective Materials in Junior High School Mathematics. XXXII, October 1939, 274-275
- Marshall, M. V.
Some Factors Which Influence Success in

- College Algebra. XXXII, April 1939, 172-174
- Meals, Louise
"X on the Spot." XXXII, November 1939, 296-300
- Miller, G. A.
Primary Facts of the History of Mathematics. XXXII, May 1939, 209-211
- Morton, R. L.
Mathematics in the Training of Arithmetic Teachers. XXXII, March 1939, 106-110
- Nelson, A. C.
An Attempt to Develop Number Sense. XXXII, March 1939, 134-135
- Orleans, Joseph B.
Reading in the Teaching of Mathematics. XXXII, December 1939, 349-351
- Parkyn, Hannah A.
When Wishes Come True—A Mathematics Play. XXXII, January 1939, 16-24
- Price, H. Vernon
Mathematics Clubs. XXXII, November 1939, 324
- Reeve, W. D.
Editorials. XXXII, January 1939, 33-34; March 1939, 136; April, 1939, 181-185; May 1939, 229-230; October 1939, 276; November 1939, 326-327; December 1939, 368
Modern Curriculum Problems in the Teaching of Mathematics in Secondary Schools. XXXII, March 1939, 118-128.
- Rogers, Charles F.
The Mathematics of Elementary Chemical Calculations. XXXII, January 1939, 3-8
- Schaaf, William L.
Mathematics and Dictatorships. XXXII, November 1939, 312
- Seder, Margaret
An Experimental Study of a New Mathematics Test for Grades 7, 8, and 9. XXXII, October 1939, 259-264.
- Shirk, J. A. G.
Contributions of Commerce to Mathematics. XXXII, May 1939, 203-208
- Sleight, E. R.
The Craft of Nombrynge. XXXII, October 1939, 243-248
- Smith, Zens Lawrence
Two Related Units in the Teaching of College Algebra. XXXII, December 1939, 346-348
- Starr, David W.
Enrichment Materials for First-Year Algebra. XXXII, February 1939, 68-77
- Studebaker, John W.
New Trends in the Teaching of Mathematics. XXXII, May 1939, 195-202
- Weber, Sister Magdalen Marie. See Foran T. G.
- Whiteaker, George H.
A Child's Concept of Numbers. XXXII, January 1939, 25-26
- Wilson, Guy M. and Hanley, Gertrude L.
For Basic Drill in Arithmetic, What Norm or Average Is Satisfactory? XXXII, April 1939, 175-178
- Winegardner, J. H.
The Relation Between Secondary Mathematics and Physics and Chemistry. XXXII, May 1939, 220-222
- Woolsey, Edith
Report of the Twentieth Annual Meeting of the National Council of Teachers of Mathematics, Cleveland, Ohio. XXXII, October 1939, 270-273
- Wren, F. L.
The Professional Preparation of Mathematics Teachers. XXXII, March 1939, 99-105
- Yates, Robert C.
A Mechanical Solution of the Cubic. XXXII, May 1939, 215
- Young, Anne W.
Curves. XXXII, December 1939, 355
- Zant, James H.
The Laws of Signs in Multiplication. XXXII, April 1939, 179-180

INDEX BY TITLES AND SUBJECTS

- A Code of Ethics for the Teaching Profession. National Education Association. XXXII, October 1939, 279
- Algebra*
- A Mechanical Solution of the Cubic. Yates, Robert C. XXXII, May 1939, 215
- An Experimental Study of a New Mathematics Test for Grades 7, 8, and 9. Seder, Margaret. XXXII, October 1939, 259-264
- Does a Year's Exposure to Algebra Improve a Pupil's Ability in Arithmetic? Braverman, Benjamin. XXXII, November 1939, 301-312
- Enrichment Materials for First-Year Algebra. Starr, David W. XXXII, February 1939, 68-77
- From Table to Graph to Formula. McLeod, D. XXXII, December 1939, 343-345
- Meaningful Symbols as a Better Preparation for Junior and Senior High School Mathematics. Duncan, Myrtle. XXXII, April 1939, 169-171
- Some Factors Which Influence Success in College Algebra. Marshall, M. V. XXXII, April 1939, 172-174
- Teaching the Law of Signs in Multiplication. Fulkerson, Elbert. XXXII, January 1939, 27-29
- The Effect of Remedial Work in Reading Comprehension upon Algebraic Achievement. Clark, Mildred I. XXXII, February 1939, 65-67
- The Laws of Signs in Multiplication. Zant, James H. XXXII, April 1939, 179-180
- Two Related Units in the Teaching of College Algebra. Smith, Zens Lawrence. XXXII, December 1939, 346-348
- Arithmetic*
- A Child's Concept of Numbers. Whiteaker, George H. XXXII, January 1939, 25-26
- An Attempt to Develop Number Sense. Nelson, A. C. XXXII, March 1939, 134-135
- An Experimental Study of a New Mathematics Test for Grades 7, 8, and 9. Seder, Margaret. XXXII, October 1939, 259-264
- An Experimental Study of the Relation of Homework to Achievement in Arithmetic. Foran, T. G. and Weber, Sister Magdalen Marie. XXXII, May 1939, 212-214
- Decimal-Form Fractions to Various Bases. Andrews, F. Emerson. XXXII, December 1939, 354-355
- Does a Year's Exposure to Algebra Improve a Pupil's Ability in Arithmetic? Braverman, Benjamin. XXXII, November 1939, 301-312
- Elementary Approximate Computation. Boyer, Lee Emerson. XXXII, October 1939, 249-258
- For Basic Drill in Arithmetic, What Norm or

- Average Is Satisfactory? Wilson, Guy M. and Hanley, Gertrude L. XXXII, April 1939, 175-178
- Mathematics in the Training of Arithmetic Teachers. Morton, R. L. XXXII, March 1939, 106-110
- Some Preliminary Considerations Relating to Arithmetic in the Senior High School. Benz, H. E. XXXII, March 1939, 111-117
- Classroom Practices of High School Teachers of Mathematics. Filk, Anna and Douglass, Harl R. XXXII, May 1939, 223-226

Curriculum

- Criteria for the Evaluation of a Course of Study in High School Mathematics. Bosse, Shirley E., Jr., and Holbrook, Harriet. XXXII, February 1939, 78-81
- Mathematics in Progressive Education. Hartung, Maurice L. XXXII, October 1939, 265-269
- Mathematics in the Training of Arithmetic Teachers. Morton, R. L. XXXII, March 1939, 106-110
- Modern Curriculum Problems in the Teaching of Mathematics in Secondary Schools. Reeve, W. D. XXXII, March 1939, 118-128
- New Trends in the Teaching of Mathematics. Studebaker, John W. XXXII, May 1939, 195-202
- The Place of Mathematics in Secondary Schools. Gianera, William C. XXXII, December 1939, 360-364
- The Role of Mathematics in the Twentieth Century Curriculum. Beatty, Willard W. XXXII, May 1939, 216-219

Editorials, Reeve, W. D.

- Gifted Pupils. XXXII, January 1939, 34
- Mathematics in California High Schools. XXXII, May 1939, 230
- Mere Membership Is Not Enough. XXXII, October 1939, 276
- New Syllabus in Mathematics for New York City Junior High Schools. XXXII, March 1939, 136
- On Postponing Algebra and Geometry. XXXII, January 1939, 33-34
- Possible Improvement in Mathematics. XXXII, December 1939, 368
- Professor Breslich's Retirement. XXXII, May 1939, 229
- The Fourteenth Yearbook. XXXII, October 1939, 276
- The National Council's New Executive Secretary. XXXII, December 1939, 368
- The Status of Algebra. XXXII, March 1939, 136
- Three Important New Books. XXXII, May 1939, 229-230
- What Are We Going to Do about It? XXXII, April 1939, 181-185
- XXXII, November 1939, 326-327

Geometry

- Art in Geometry. Ahern, Lorella. XXXII, April 1939, 156-162
- Paper Folding in Plane Geometry. Britton, Sarah Louise. XXXII, May 1939, 227-228
- The Educational Value of Logical Geometry. Blackhurst, J. H. XXXII, April 1939, 163-165
- The Efficiency of Certain Shapes in Nature and Technology. Hickey, May. XXXII, March 1939, 129-133
- The Teaching of "Flexible" Geometry. Lloyd, Daniel B. XXXII, November 1939, 321-323

History of Mathematics

- Ancient Mathematics and the Development of Primitive Culture. Cordrey, William A. XXXII, February 1939, 51-60
- Contributions of Commerce to Mathematics. Shirk, J. A. G. XXXII, May 1939, 203-208
- Primary Facts of the History of Mathematics. Miller, G. A. XXXII, May 1939, 209-211
- The Craft of Nombrynge. Sleight, E. R. XXXII, October 1939, 243-248
- Mathematics and Dictatorships. Schaaf, William L. XXXII, November 1939, 312

Mathematics and Other Fields

- Air Navigation and Secondary School Mathematics. Kinsella, John and Bradley, A. Day. XXXII, February 1939, 82-86
- Art in Geometry. Ahern, Lorella. XXXII, April 1939, 156-162
- Enrichment Materials for First-Year Algebra. Starr, David W. XXXII, February 1939, 68-77
- General Mathematics for Art Pupils. Ekholm, Alma. XXXII, December 1939, 365-367
- Mathematics and the Social Sciences. Dresden, Arnold. XXXII, December 1939, 339-342
- Mathematics in Industrial Chemical Research. Heckert, W. W. XXXII, March 1939, 110
- Mathematics in Mechanical Engineering. Karelitz, George B. XXXII, February 1939, 87
- Our Mathematical Universe. Ayre, H. G. XXXII, December 1939, 356-359
- Popularizing the Subject of Astronomy. Bledsoe, James M. XXXII, November 1939, 316-320
- The Mathematical Foundations of Architecture. Craver, Mary E. XXXII, April 1939, 147-155
- The Mathematics of Elementary Chemical Calculations. Rogers, Charles F. XXXII, January 1939, 3-8
- The Mathematics of Most Value to Pupils of Science. Davis, Ira C. XXXII, November 1939, 291-295
- The Relation Between Secondary Mathematics and Physics and Chemistry. Winegardner, J. H. XXXII, May 1939, 220-222
- Mathematics Clubs. Price, H. Vernon. XXXII, November 1939, 324
- Mathematics in Herbart's Philosophy of Education. Lynch, J. A. XXXII, February 1939, 61-64

National Council of Teachers of Mathematics

- Mathematics Professional Barometer. XXXII, November 1939, 295
- National Council of Teachers of Mathematics Convention, Plans. XXXII, November 1939, 325
- Program, National Council of Teachers of Mathematics (Twentieth Annual Meeting). XXXII, January 1939, 30-32
- Report of the Twentieth Annual Meeting of the National Council of Teachers of Mathematics, Cleveland, Ohio. Edith Woolsey. XXXII, October 1939, 270-273
- Sixth December Meeting of the National Council of Teachers of Mathematics. XXXII, December 1939, 369-370
- Skeleton Plan for the National Council of Teachers of Mathematics Program at San Francisco, July 1939. XXXII, March 1939, 135
- Summer Meeting of the National Council of

- Teachers of Mathematics. XXXII, May 1939, 234-235
- The National Council of Teachers of Mathematics Official Notice. XXXII, November 1939, 327-328
- News Notes. XXXII, January 1939, 37-39; February 1939, 93-94; March 1939, 139-140; April 1939, 188-191; May 1939, 236-237; October 1939, 280-283; November 1939, 331-335; December 1939, 373-374
- Objective Materials in Junior High School Mathematics. Mahachek, Joy. XXXII, October 1939, 274-275
- Plays**
- "X on the Spot." Meals, Louise. XXXII, November 1939, 296-300
- When Wishes Come True—A Mathematics Play. Parkyn, Hannah A. XXXII, January 1939, 16-24
- Poems**
- A Study in Euclid. Flanders, Isadore Elizabeth. XXXII, November 1939, 323
- Curves. Young, Anne W. XXXII, December 1939, 355
- It Is Given Us to Dream. Brill, Elmer. XXXII, April 1939, 162
- The Adventures of Little An Alys. Culver, Carol. XXXII, December 1939, 367
- To the Entity of Mathematical Laws. De Vries, David. XXXII, April 1939, 168
- Winter Geometry. Acton, Ellen. XXXII, March 1939, 128
- Reading in the Teaching of Mathematics. Orleans, Joseph B. XXXII, December 1939, 349-351
- Teacher Training**
- Mathematics in the Training of Arithmetic Teachers. Morton, R. L. XXXII, March 1939, 106-110
- The Professional Preparation of Mathematics Teachers. Wren, F. L. XXXII, March 1939, 99-105
- The Challenge of the Slow Pupil. Eisner, Harry. XXXII, January 1939, 9-15
- The Christmas Party. Holroyd, Phyllis A. XXXII, December 1939, 352-353
- The Relation of Mathematics to the Learning Process. Lynch, J. A. XXXII, November 1939, 313-315
- Trigonometry**
- A Device for Teaching the Concept of the Trigonometric Functions. Blank, Laura. XXXII, February 1939, 88-89
- Vocabulary Instruction in Mathematics. Drake, Richard M. XXXII, April 1939, 166-168
- BOOK REVIEWS**
- Barker, Eugene H. and Morgan, Frank M. *Mathematics in Daily Life*. XXXII, October 1939, 285
- Black, Newton Henry. *Laboratory Experiments in Elementary Physics*. XXXII, May 1939, 239
- Black, Newton Henry and Weaver, Elbert Cook. *Laboratory Experiments and Workbook*. XXXII, October 1939, 286
- Bowden, Joseph. *Elements of the Theory of Integers*. XXXII, May 1939, 240
- *Special Topics in Theoretical Arithmetic*. XXXII, May 1939, 240
- Boyer, Carl B. *The Concepts of the Calculus*. XXXII, October 1939, 284
- W. L. Schaaf
- Breslich, Ernest R. *Excursion in Mathematics*. XXXII, January 1939, 40
- Congdon, Allan R. and Thompson, Ronald B. *Remedial Arithmetic*. XXXII, January 1939, 40
- Courtis, S. A. See Watters, Garnette
- Currier, Clinton Harvey, Watson, Emery Ernest, and Sutherland, James. *A Course in General Mathematics*. XXXII, March 1939, 141
- Durell, Fletcher. *Mathematical Adventures*. XXXII, March 1939, 142-143
- Fawcett, H. P. *The Nature of Proof*. XXXII, October 1939, 286-287
- T. A. A. Broadbent
- Frame, James Sutherland. See Currier, Clinton Harvey
- Fuhr, H. *Geometrische Konstruktionen bei beschränktem Gebrauch des Zirkels*. XXXII, March 1939, 143
- Aaron Bakst
- Hart, Walter W. and Jahn, Lora D. *Mathematics in Action*. XXXII, October 1939, 285
- Hayes, George M. and Leventhal, Murray J. *Plane Trigonometry*. XXXII, May 1939, 239
- Hessler, John C. and Shoudy, Henry C. *Understanding Our Environment*. XXXII, October 1939, 285-286
- Jahn, Lora D. See Hart, Walter W.
- Klinefelter, Lee M. *Electrical Occupations for Boys*. XXXII, January 1939, 41
- Layson, Burr. *American Wings*. XXXII, January 1939, 41
- Lazar, Nathan. *The Importance of Certain Concepts and Laws of Logic for the Study and Teaching of Geometry*. XXXII, January 1939, 41-42
- Ivan S. Turner
- Lennes, N. J. *New Practical Mathematics*. XXXII, October 1939, 285
- Leventhal, Murray J. See Hayes, George M.
- Levinson, Ronald B. (Editor) *The College Journey*. XXXII, March 1939, 141-142
- Leitzmann, W. *Theorie und Praxis der geometrischen Konstruktionsaufgaben*. XXXII, March 1939, 143
- Aaron Bakst
- Miller, Isaiah Leslie and Richardson, Clarence H. *Business Mathematics*. XXXII, May 1939, 238-239
- Morgan, Frank M. See Barker, Eugene H.
- Mursell, James L. *The Psychology of Secondary-School Teaching*. XXXII, March 1939, 141
- Pickett, H. *Proofs and Solutions of Exercises Used in Plane Geometry Tests*. XXXII, January 1939, 42
- Ivan S. Turner
- Richardson, Clarence H. See Miller, Isaiah Leslie
- Sanford, Vera. See Woodring, Maxie Nave
- Sewell, W. E. *Review Course in Algebra*. XXXII, May 1939, 239
- Shoudy, Henry C. See Hessler, John C.
- Siddons, A. W. and Snell, K. S. *A New Geometry*. XXXII, January 1939, 40
- Snell, K. S. See Siddons, A. W.
- Strickland, Ruth G. *A Study of the Possibilities of Graphs as a Means of Instruction in the First Four Grades of the Elementary School*. XXXII, May 1939, 238
- Thomas, Joseph Miller. *Theory of Equations*. XXXII, January 1939, 40
- Thompson, Ronald B. See Congdon, Allan R.
- Tschetverukhin, N. F. *Geometricheskije postrojenia i priblizhenija*. XXXII, March 1939, 143
- Aaron Bakst
- Watkeys, C. W. (Editor) *An Orientation in Science*. XXXII, January 1939, 41
- Watson, Emery Ernest. See Currier, Clinton Harvey
- Watters, Garnette and Courtis, S. A. *A Picture Dictionary for Children*. XXXII, October 1939, 287
- Weaver, Elbert Cook. See Black, Newton Henry
- Woodring, Maxie Nave and Sanford, Vera. *Enriched Teaching of Mathematics in the Junior and Senior High School*. XXXII, May 1939, 240

y
n
l
s.
I,
n
-
-
-
-
9
-
r